

- Divine Invader 53-54 Project at Area 5 (3 releases)
- Rattler Project at Area 5 (5 releases)
- Roadrunner III Test at Frenchman Lake Bed (Area 5) (8 releases)
- Roadrunner III Test at Area 25 Test Cell C (5 releases)

A completion report was submitted to NNSA/NSO for transmittal to NDEP's Bureau of Air Pollution Control at the conclusion of each test. Table 3-16 summarizes the total quantities of all chemicals released during tests in 2004.

Table 3-16. Chemicals released during tests conducted at the Area 5 NPTEC in 2004

Chemical	Total Amount Released (lbs)^(a)
2-Diisopropylamino ethanol	2.8
2-Diethylaminoethanol	4.6
3,3-dimethyl-2-butanol	12.9
Dimethyl methylphosphonate	2768.2
Ammonia	127.9
Boron Trichloride	2100
Butanol	40
Butyl nitrate	17.5
Carbon tetrachloride	12
Chlorobenzene	41
Cyclohexanol	12.9
Chlorobenzene	41
DC (Methyl phosphonic dichloride)	9
Deuterium oxide	2.2
Diethanolamine	4.2
Diethyl ethylphosphonate	37.4
Diethylamine	2.6
Diisopropylamine	2.2
Dimethyl ether	18.6
Dipropylene glycol methyl ether	2610
DV methyl ester	13.2
Ethylene	12
Freon 134A	41
Freon R414b	400
Isobar E fluid	11.2
Isopropyl alcohol	29
Methanol	544.3
Methyl chloride	213
Methylamine	3
m-Phenoxybenzyl alcohol	11.2
Permethrin	5.5
Pinacolone	13.2
Propane	1
Propylene	5.3
Sulfur dioxide	208
Thionyl chloride	12
Triethyl phosphate	98.6
Triethyl phosphorothioate	33.2

(a) 1lb = 0.456 kilograms

Table 3-17. Chemicals released during tests conducted at the Area 25 Test Cell C facility in 2004

Chemical	Total Amount Released (lbs)^(a)
Ethyl formate	6.4
Methanol	56.2
1,1,1-Trichloroethane	11.5
Dimethyl methylphosphonate	28
Trimethyl phosphite	22.3
Ammonia	0.7
Dimethyl ether	2.2
Ethylene	20.5
Methylamine	8.3
Freon R134a	3.5

(a) 1lb = 0.456 kilograms

3.2.5 TaDD Reporting

The TaDD is located in Area 11 at the NTS. This facility was developed as a prototype of a portable burn facility to dispose of unneeded Shillelagh tactical military rocket motors. As such, TaDD was added to the NTS air quality operating permit because of the emissions generated during each burn. Emissions are controlled by a baghouse, HEPA, and ultra high efficiency filters. Permit requirements include annual reporting of hours of operation and emissions and an opacity limit of 20 percent.

The TaDD facility has not been used due to lack of funding. It is listed in the renewed air permit with 0 allowable operating hours and is expected to be removed from the air permit during 2005.

3.2.6 ODS Recordkeeping

ODS recordkeeping requirements applicable to NTS operations include maintaining, for a minimum of three years, evidence of technician certification, recycling/recovery equipment approval, and servicing records for appliances containing 22.7 kilograms (50 pounds) or more of refrigerant. Compliance with recordkeeping and certification requirements for the use and disposition of ODS is verified through periodic assessments. The assessments include a records review and interviews with managers and technicians associated with the use, disposition, and purchase of refrigerants. Under Section 608 of the CAA, EPA may conduct random inspections to determine compliance.

From an assessment conducted in CY 2002, it was determined that the regulatory requirements of Title VI (Section 608) of the CAA for the protection of stratospheric ozone were generally being met. No assessment was conducted in CY 2004. An ODS Management Plan is scheduled to be written in 2005 to develop and implement a program and procedures to maximize the use of safe alternatives to ODS due to their required phase-out.

3.2.7 Asbestos Abatement

A NESHAP notification is submitted annually to the EPA for the next calendar year. This notification provides an estimate of the quantities of asbestos-containing materials that are expected to be removed from small projects: removal of less than 79.2 linear meters [260 linear feet] or less than 14.9 square meters (m²) (160 square feet [ft²]). These projections are submitted to EPA in an Annual Asbestos Abatement Notification Form. A Notification of Demolition and Renovation Form is also submitted to EPA at least 10 working days prior to the start of each project if either (1) no asbestos is present in a facility scheduled for demolition, or (2) if quantities of asbestos-containing materials to be removed are estimated to exceed 79.2 linear meters or 14.9 m². The recordkeeping requirements for